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***USSPACECOM Briefing -
Advanced Concept Technology
Demonstration***

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Importance of Space

- **Space and information are mediums of warfare**
- **Increased dependence on space and information lead to increased vulnerabilities.**
- **USSPACECOM Vision 2020 Themes: Dominate the space medium and integrate space power throughout military operations.**
- **New Missions:**
 - **Control of Space**
 - **Force Enhancement**
 - **Computer Network Defense/Attack**



USSPACECOM Missions-UCP 99

- **Serves as the single point of contact for military space operational matters, to include Satellite Communications**
- **Advocates space operations (force enhancement, space control, space support including spacelift and on-orbit operations, and force application) and missile warning requirements of all CINCs.**
- **Assumed Computer Network Defense mission Oct 99 (Advocate not executor)**
- **Assumes Computer Network Attack mission in Oct 00 (Advocate not executor)**



USSPACECOM Needs

- **Satellite Communications**
- **Computer Network Defense/Attack**
- **Integrated Attack Warning/ Missile Defense Spt**
- **Space Control (Surveillance, Protect, Prevent, Negate)**
- **Integrated Command and Control**
- **Space-Based R&S of Earth**
- **Assured Access (Spacelift and Satellite Operations)**
- **Weather Systems (Space, Atmospheric & Oceanographic)**
- **Modeling and Simulation**



Recognize Space, Information Challenges

- **Space systems, access to space are expensive**
- **CND/CNA- What does the technology look like?**
- **Policy Issues with network attack, especially doctrine, classification, ROE.**



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